

APPENDIX A

Air Quality Operating Permit Application Checklist



Completeness Determination Checklist and Application Index

Company Name Potlatch Forest Products Corporation
Location Lewiston, Idaho
Project Tier I Operating Permit Renewal Application
Reviewer _____ Date _____

The attached forms have been provided as a checklist and application index, to ensure all the required information has been included with the air pollution source permit application. These forms shall be submitted along with the application. These checklist/index forms include the following elements of the permit application:

- Application forms
- Source descriptions
- Source flow diagrams
- Plot plans
- Emission estimate references and documentation
- Excess emission documentation
- Ambient air impact analysis
- Compliance certification plan

Each page of the permit application shall be numbered so that each page can be referenced individually. This will allow these checklist forms to act as the permit application table of contents.

APPLICATION FORMS

SECTION	SOURCE	PAGE
1	Introduction	1
2	Process Description	3
3	Emission Sources and Estimates	7, Appendix C
4	Potentially Applicable Requirements	12
5	Compliance Certification	17, Appendix B
6	Compliance Plan and Schedule	18
Appendix A	Air Operating Permit Application Checklist	
Appendix B	Operating Permit forms, Compliance Certifications	
Appendix C	Facility Wide Emission Inventory	
Appendix D	Insignificant Activities	
Appendix E	Requirement-Specific Compliance Certification and Demonstration Methodology	
Appendix F	Potentially Applicable Regulations	

	<u>YES</u>	<u>NO</u>
Is the application signed and dated?	x	_____
Are all forms adequately completed?	x	_____

SOURCE DESCRIPTIONS

SOURCE	PAGE		
General Facility Description	3		
Emission Unit Description	3, 7		
	<u>YES</u>	<u>NO</u>	
· Are the existing facilities described?	x	_____	
· Are the modifications or new facilities described?	x	_____	
· Are all applicable processes, materials, ventilation, and controls described?	x	_____	
· Is all equipment referenced by specific ID name or number?	x	_____	

SOURCE FLOW DIAGRAMS

SOURCE	PAGE		
Facility Plot Plan & Location Map	Figures 1 and 2		
Facility Process Flow Diagrams	Figures G-1 to G-3		
Facility Stack Locations	Figure 2		
	<u>YES</u>	<u>NO</u>	
· Are included?	X	_____	
· Shows entire existing facility?	x	_____	
· Shows entire future facility?	Not applicable	_____	
· Shows each process separately (if needed)?	x	_____	
· Details storage, roads, transfers, and processing?		_____	
· Labeling is adequate (process and stacks identified, flow rates and process rates shown)?	x	_____	

PLOT PLANS

SOURCE	PAGE	
DEQ General Information Form	Appendix B	
Facility Plot Plan & Location Map	Figures 1 and 2	
	<u>YES</u>	<u>NO</u>
· Are included?	x	_____
· Shows location coordinates?	x	_____
· Shows plant boundaries?	x	_____
· Shows neighboring ownership and facilities?		Not applicable
· Shows topography	x	_____
· Scale shown or distances adequately labeled?	x	_____
· Shows all buildings, equipment, storage and roads?		Not Applicable
· Are adequate for both existing and future or, includes both?		Not Applicable

EMISSION ESTIMATE REFERENCES AND DOCUMENTATION

SOURCE	PAGE
Production Data	Appendix C
Emission Factors	Appendix C
Emission Inventory	Appendix C
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

	<u>YES</u>	<u>NO</u>
· All fugitive and point sources listed?	x	_____
· All pollutants addressed?	x	_____
· Process documentation and specs included?	x	_____
· Control equipment documentation and specs included?	x (see CAM plans)	_____
· Emission factors documented and referenced?	x	_____
· Calculations and assumptions shown?	x	_____
· Source tests referenced (test includes processing and control device test conditions)?	Not Applicable	_____

EXCESS EMISSION DOCUMENTATION – Not applicable

SOURCE

PAGE

YES

NO

- All three types of excess emissions (startup, shutdown, and scheduled maintenance) covered for each source?
- Calculations and documentation included?
- Expected frequencies of excess emissions noted?
- Justification for amounts and frequencies of excess emissions?
- Procedures for minimizing excess emissions covered?

AMBIENT AIR IMPACT ANALYSIS - Not Applicable to Tier I Applications

PROJECT	PAGE
Existing ambient air quality discussion including attainment status and classification of areas which may be significantly impacted	Not Applicable
Discussion of dispersion model used and assumptions	Not Applicable
Dispersion model input	Not Applicable
Dispersion model output	Not Applicable
Discussion of ambient impacts for each pollutant	Not Applicable
Discussion of how excessive impacts will be controlled or avoided for sources and pollutants with the potential for these	Not Applicable

COMPLIANCE CERTIFICATION PLAN

SOURCE	PAGE
Specific Application Requirements and Compliance Certification	Appendices B and E
Proposed Compliance Demonstration Methods	Appendix E
Compliance Schedule	Not applicable

_____	_____
_____	_____
_____	_____
_____	_____

	<u>YES</u>	<u>NO</u>
Monitoring, record keeping, and reporting discussed?	x	_____
Stack testing methods thoroughly documented?	_____	Not Applicable
Discussion and documentation of process control mechanisms used to meet emission limits?	_____	Not Applicable
Quality assurance/quality control discussed?	_____	Not Applicable
Monitoring equipment specs and documentation included?	_____	Not Applicable

APPENDIX B

Operating Permit Application Forms and Compliance Certification

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

Compliance Certification

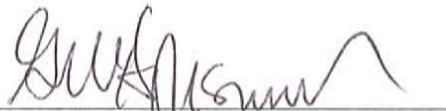
as established in IDAPA 58.01.01.314.01 and 314.09

Based upon information and belief, formed after reasonable inquiry, I certify the following:

1. The statements and information provided in this Tier I operating permit application are true, accurate, and complete;
2. For each applicable requirement with which an emissions unit is in compliance, I certify that the emissions unit will continue to comply with the applicable requirement;
3. For each applicable requirement that will become effective during the term of the Tier I operating permit that does not contain a more detailed schedule, I certify that the emissions unit will meet the applicable requirement on a timely basis;
4. For each applicable requirement that will become effective during the term of the Tier I operating permit that contains a more detailed schedule, I certify that the emissions unit will comply with the applicable requirement on the schedule provided in the applicable requirement;
5. For each applicable requirement with which the emissions unit is not in compliance, I certify that the emissions unit will be in compliance with the applicable requirement by the time the Tier I operating permit is issued, or that Potlatch Forest Products Corporation provided a compliance plan in accordance with Section 314.10.

Potlatch Forest Products Corporation will submit annual compliance certifications during the term of the Tier I operating permit, unless more frequent certification is specified by an underlying applicable requirement or by the Department.

Responsible Corporate Official



G.W. Highsmith
Manufacturing Manager

5-23-07

Date





Department of Environmental Quality
1410 N. Hilton
Boise, ID 83706
For assistance, call the Air Permit Hotline: 1-877-5PERMIT

Form #AQ-F-P004
Revision: 1
12/15/06

AIR QUALITY TIER I OPERATING PERMIT APPLICATION

SECTION 1: GENERAL INFORMATION

Company & Division Name: Potlatch Forest Products Corporation, Lewiston Wood Products Division

Company Mailing Address: 807 Mill Road, POBox 1323

City: Lewiston State: ID Zip: 85301-1323

Company Environmental Contact Name: Jim Miller

Title: Environmental Coordinator Phone: 208-799-1697

Company Owner or Responsible Official Name: GW Highsmith

Title: Manufacturing Manager Phone: 208-799-1275

Exact Plant Location: Eastern edge of Lewiston, Idaho

General Nature of Business: Lumber Manufacturing

No. Full-time Employees: 340 Property Area (acres): 787

Reason for Application: ☐ Initial Tier I permit to operate
☒ Renewal Tier I permit to operate
☐ Modification/Amendment of existing Tier I permit to operate
☐ Change of ownership or location

Distance to Nearest State Border (miles): 2.5

Primary SIC: 24 Secondary SIC: 21

Plant Location County: Nez Pierce Elevation (ft): 747

UTM Zone: 11

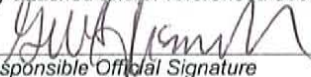
UTM (X) Coordinate (km): 502.256 UTM (Y) Coordinate (km): 5141.035

LIST ALL FACILITIES WITHIN THE STATE THAT ARE UNDER YOUR CONTROL OR UNDER COMMON CONTROL AND HAVE EMISSIONS TO THE AIR. IF NOT, SO STATE.

Name of Facility	Location of Other Facility
Idaho Pulp and Paperboard Division	Lewiston, Idaho
Consumer Products Division	Lewiston, Idaho
St. Maries Plywood, Wood Products Division	St. Maries, Idaho
St. Maries Lumber, Wood Products Division	St. Maries, Idaho
Post Falls Particleboard, Wood Products Div.	Post Fall, Idaho
Owner or Responsible Official	
Title of Responsible Official	

Certification of Truth, Accuracy, and Completeness (by Responsible Official)

I hereby certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this and any attached and/or referenced document(s) are true, accurate, and complete in accordance with IDAPA 58.01.01.123-124.


Responsible Official Signature

Manufacturing Manager
Responsible Official Title

5-23-07
Date

G.W. Highsmith
Print or Type Responsible Official Name

SECTION 2: FUEL-BURNING EQUIPMENT

DEQ USE ONLY

DEQ Plant ID Code _____	DEQ Stack ID Code _____
DEQ Building Code _____	Primary SCC _____
DEQ Segment Code _____	Secondary SCC _____
DEQ Process Code _____	

SECTION 2, PART A.

GENERAL INFORMATION

Process Code or Description	Engine IC-5, Greenhouse Emergency Generator		
Stack Description	Vertical Stack		
Building Description	Greenhouse		
Manufacturer	Model	Date Installed	
		Date Last Modified	

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

Million BTU/hr _____	1000 lbs Steam/hr _____	Kilowatts _____	Horsepower 125
Burner Type _____	% Used for Process _____		
(see note below)	% Used for Space Heat _____		

FUEL DATA

Parameter	Primary Fuel	Units	Secondary Fuel	Units
Fuel Code (see note below)	02			
Percent Sulfur	.0015			
Percent Ash				
Percent Nitrogen				
Percent Carbon				
Percent Hydrogen				
Percent Moisture				
Heat Content (BTU/unit)				
Maximum Hourly Combustion Rate (units/hr)				
Normal Annual Combustion Rate (units/hr)				

Note:

Burner Type: 01 - Spread stoker
 02 - Chain or Traveling Grate
 03 - Hand Fired
 04 - Cyclone Furnace
 05 - Wet Bottom (pulverized coal)
 06 - Dry Bottom (pulverized coal)
 07 - Underfeed Stokers
 08 - Tangentially Fired
 09 - Horizontally Fired
 10 - Axially Fired
 11 - Other (specify): _____

Fuel Codes: 01 - Natural Gas
 02 - #1 or #2 Fuel Oil
 03 - #4 Fuel Oil
 04 - #5 or #6 Fuel Oil
 05 - Used Oil
 06 - Wood Chips
 07 - Wood Bark
 08 - Wood Shavings
 09 - Sander Dust
 10 - Subbituminous Coal
 11 - Bituminous Coal
 12 - Anthracite Coal
 13 - Lignite Coal
 14 - Propane
 15 - Other (specify): _____

SECTION 2, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule	
Dec – Feb	Hours/Day	Emergency/ testing
Mar – May	Days/Week	
Jun – Aug	Weeks/Year	
Sep – Nov	500 hr/yr	

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type		
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed? ☐ Yes ☐ No

Hood Type (from APP.B) _____

Minimum Flow (acfm) _____

Percent Capture Efficiency _____

Building Height (ft) _____

Building/Area Length (ft) _____

Building/Area Width (ft) _____

STACK DATA

Ground Elevation (ft) _____

UTM X Coordinate (km) _____

UTM Y Coordinate (km) _____

Stack Type (see note below) 02

Stack Exit Height from Ground Level (ft) 74

Stack Exit Diameter (ft) 3.17

Stack Exit Gas Flowrate (acfm) (99.5 ft/sec)

Stack Exit Temperature (°F) 60

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (lb/hp-hr)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		2.20E-03		.28 lb/hr			AP-42 Table 3.3.1
PM ₁₀		2.20E-03		.28 lb/hr			AP-42 Table 3.3.1
SO ₂		2.05E-03		.26 lb/hr			AP-42 Table 3.3.1
CO		6.68E-03		.84 lb/hr			AP-42 Table 3.3.1
NO _x		0.031		3.88 lb/hr			AP-42 Table 3.3.1
VOC		2.47E-03		.31lb/hr			AP-42 Table 3.3.1
Lead							
TAPS		See Table C-3		See Table C-3			

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 2, PART A.

GENERAL INFORMATION

Process Code or Description Engine IC-1 through IC-4, Fire Pump Engines (Total for All)
 Stack Description Vertical Stack
 Building Description None
 Manufacturer _____ Model _____ Date Installed _____
 Date Last Modified _____

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

Million BTU/hr _____ 1000 lbs Steam/hr _____ Kilowatts _____ Horsepower 170 each
 Burner Type _____ % Used for Process _____
 (see note below) % Used for Space Heat _____

FUEL DATA

Parameter	Primary Fuel	Units	Secondary Fuel	Units
Fuel Code (see note below)	02			
Percent Sulfur	.0015			
Percent Ash				
Percent Nitrogen				
Percent Carbon				
Percent Hydrogen				
Percent Moisture				
Heat Content (BTU/unit)				
Maximum Hourly Combustion Rate (units/hr)				
Normal Annual Combustion Rate (units/hr)				

Note:

Burner Type: 01 - Spread stoker
 02 - Chain or Traveling Grate
 03 - Hand Fired
 04 - Cyclone Furnace
 05 - Wet Bottom (pulverized coal)
 06 - Dry Bottom (pulverized coal)
 07 - Underfeed Stokers
 08 - Tangentially Fired
 09 - Horizontally Fired
 10 - Axially Fired
 11 - Other (specify): _____

Fuel Codes: 01 - Natural Gas
 02 - #1 or #2 Fuel Oil
 03 - #4 Fuel Oil
 04 - #5 or #6 Fuel Oil
 05 - Used Oil
 06 - Wood Chips
 07 - Wood Bark
 08 - Wood Shavings
 09 - Sander Dust
 10 - Subbituminous Coal
 11 - Bituminous Coal
 12 - Anthracite Coal
 13 - Lignite Coal
 14 - Propane
 15 - Other (specify): _____

SECTION 2, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Emergency/ testing
Days/Week
Weeks/Year
500 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type		
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	67 IC-2,3, 4 74 IC-4
Stack Exit Diameter (ft)	2.8 IC -1,2,3 3.17 IC-4
Stack Exit Gas Flowrate (acfm)	(135.3 ft/sec)
Stack Exit Temperature (°F)	60

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (lb/hp-hr)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		2.20E-03		.37 lb/hr			AP-42 Table 3.3.1
PM ₁₀		2.20E-03		.37 lb/hr			AP-42 Table 3.3.1
SO ₂		2.05E-03		.35 lb/hr			AP-42 Table 3.3.1
CO		6.68E-03		1.14 lb/hr			AP-42 Table 3.3.1
NO _x		0.031		5.27 lb/hr			AP-42 Table 3.3.1
VOC		2.47E-03		.42 lb/hr			AP-42 Table 3.3.1
Lead							
TAPS		See Table C-3		See Table C-3			

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 2, PART A.

GENERAL INFORMATION

Process Code or Description Propane Engine ME49, <5 MMBtu/hr
 Stack Description Vertical Stack
 Building Description _____
 Manufacturer _____ Model _____ Date Installed _____
 Date Last Modified _____

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

Million BTU/hr <5 1000 lbs Steam/hr _____ Kilowatts _____ Horsepower _____
 Burner Type _____ % Used for Process _____
 (see note below) % Used for Space Heat _____

FUEL DATA

Parameter	Primary Fuel	Units	Secondary Fuel	Units
Fuel Code (see note below)	14			
Percent Sulfur				
Percent Ash				
Percent Nitrogen				
Percent Carbon				
Percent Hydrogen				
Percent Moisture				
Heat Content (BTU/unit)				
Maximum Hourly Combustion Rate (units/hr)				
Normal Annual Combustion Rate (units/hr)				

Note:

Burner Type: 01 - Spread stoker
 02 - Chain or Traveling Grate
 03 - Hand Fired
 04 - Cyclone Furnace
 05 - Wet Bottom (pulverized coal)
 06 - Dry Bottom (pulverized coal)
 07 - Underfeed Stokers
 08 - Tangentially Fired
 09 - Horizontally Fired
 10 - Axially Fired
 11 - Other (specify): _____

Fuel Codes: 01 - Natural Gas
 02 - #1 or #2 Fuel Oil
 03 - #4 Fuel Oil
 04 - #5 or #6 Fuel Oil
 05 - Used Oil
 06 - Wood Chips
 07 - Wood Bark
 08 - Wood Shavings
 09 - Sander Dust
 10 - Subbituminous Coal
 11 - Bituminous Coal
 12 - Anthracite Coal
 13 - Lignite Coal
 14 - Propane
 15 - Other (specify): _____

SECTION 2, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type		
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	74
Stack Exit Diameter (ft)	3.17
Stack Exit Gas Flowrate (acfm)	(99.5 ft/sec)
Stack Exit Temperature (°F)	60

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (lb/MMBtu)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.01		.05 lb/hr			AP-42 Table
PM ₁₀		0.01		.05lb/hr			AP-42 Table
SO ₂		5.88E-04		2.49E-03			AP-42 Table
CO		0.557		2.785 lb/hr			AP-42 Table
NO _x		4.08		20.4 lb/hr			AP-42 Table
VOC		0.118		.59 lb/hr			AP-42 Table
Lead							
TAPS		See Table C.3		See Table C-3			

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 2, PART A.

GENERAL INFORMATION

Process Code or Description Propane Engine ME-50 <5MMBtu/hr
 Stack Description Vertical Stack
 Building Description Greenhouse
 Manufacturer _____ Model _____ Date Installed _____
 Date Last Modified _____

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

Million BTU/hr <5 1000 lbs Steam/hr _____ Kilowatts _____ Horsepower _____
 Burner Type _____ % Used for Process _____
 (see note below) % Used for Space Heat _____

FUEL DATA

Parameter	Primary Fuel	Units	Secondary Fuel	Units
Fuel Code (see note below)	14			
Percent Sulfur				
Percent Ash				
Percent Nitrogen				
Percent Carbon				
Percent Hydrogen				
Percent Moisture				
Heat Content (BTU/unit)				
Maximum Hourly Combustion Rate (units/hr)				
Normal Annual Combustion Rate (units/hr)				

Note:

Burner Type: 01 - Spread stoker
 02 - Chain or Traveling Grate
 03 - Hand Fired
 04 - Cyclone Furnace
 05 - Wet Bottom (pulverized coal)
 06 - Dry Bottom (pulverized coal)
 07 - Underfeed Stokers
 08 - Tangentially Fired
 09 - Horizontally Fired
 10 - Axially Fired
 11 - Other (specify): _____

Fuel Codes: 01 - Natural Gas
 02 - #1 or #2 Fuel Oil
 03 - #4 Fuel Oil
 04 - #5 or #6 Fuel Oil
 05 - Used Oil
 06 - Wood Chips
 07 - Wood Bark
 08 - Wood Shavings
 09 - Sander Dust
 10 - Subbituminous Coal
 11 - Bituminous Coal
 12 - Anthracite Coal
 13 - Lignite Coal
 14 - Propane
 15 - Other (specify): _____

SECTION 2, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type		
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed? ☐ Yes ☐ No

Hood Type (from APP.B) _____

Minimum Flow (acfm) _____

Percent Capture Efficiency _____

Building Height (ft) _____

Building/Area Length (ft) _____

Building/Area Width (ft) _____

STACK DATA

Ground Elevation (ft) _____

UTM X Coordinate (km) _____

UTM Y Coordinate (km) _____

Stack Type (see note below) 02

Stack Exit Height from Ground Level (ft) _____

Stack Exit Diameter (ft) _____

Stack Exit Gas Flowrate (acfm) _____

Stack Exit Temperature (°F) _____

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (lb/MMBtu)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.01		.05 lb/hr			AP-42 Table
PM ₁₀		0.01		.05lb/hr			AP-42 Table
SO ₂		5.88E-04		2.49E-03 lb/hr			AP-42 Table
CO		0.557		2.785 lb/hr			AP-42 Table
NO _x		4.08		20.4 lb/hr			AP-42 Table
VOC		0.118		.59 lb/hr			AP-42 Table
Lead							
TAPS		See Table C-3		See Table C-3			

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 2, PART A.

GENERAL INFORMATION

Process Code or Description Propane Heaters ME-51 and ME-52 (Total for 17 floor heater and 1 ceiling heater)
 Stack Description Vertical Stack
 Building Description Greenhouse
 Manufacturer _____ Model _____ Date Installed _____
 Date Last Modified _____

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

Million BTU/hr 5.6 1000 lbs Steam/hr _____ Kilowatts _____ Horsepower _____
 Burner Type _____ % Used for Process _____ Mgal 479
 (see note below) % Used for Space Heat _____

FUEL DATA

Parameter	Primary Fuel	Units	Secondary Fuel	Units
Fuel Code (see note below)	14			
Percent Sulfur				
Percent Ash				
Percent Nitrogen				
Percent Carbon				
Percent Hydrogen				
Percent Moisture				
Heat Content (BTU/unit)	91.5			
Maximum Hourly Combustion Rate (units/hr)				
Normal Annual Combustion Rate (units/hr)				

Note:

Burner Type: 01 - Spread stoker
 02 - Chain or Traveling Grate
 03 - Hand Fired
 04 - Cyclone Furnace
 05 - Wet Bottom (pulverized coal)
 06 - Dry Bottom (pulverized coal)
 07 - Underfeed Stokers
 08 - Tangentially Fired
 09 - Horizontally Fired
 10 - Axially Fired
 11 - Other (specify): _____

Fuel Codes: 01 - Natural Gas
 02 - #1 or #2 Fuel Oil
 03 - #4 Fuel Oil
 04 - #5 or #6 Fuel Oil
 05 - Used Oil
 06 - Wood Chips
 07 - Wood Bark
 08 - Wood Shavings
 09 - Sander Dust
 10 - Subbituminous Coal
 11 - Bituminous Coal
 12 - Anthracite Coal
 13 - Lignite Coal
 14 - Propane
 15 - Other (specify): _____

SECTION 2, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type		
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	
Stack Exit Diameter (ft)	
Stack Exit Gas Flowrate (acfm)	
Stack Exit Temperature (°F)	

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (lb/Mgal)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.4		.02 lb/hr			AP-42 Table
PM ₁₀		0.4		.02lb/hr			AP-42 Table
SO ₂		0.02		0.001 lb/hr			AP-42 Table
CO		1.9		.12 lb/hr			AP-42 Table
NO _x		14		.85 lb/hr			AP-42 Table
VOC		0.25		0.02 lb/hr			AP-42 Table
Lead							
TAPS		See Table C-3		See Table C-3			

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive

SECTION 2, PART A.

GENERAL INFORMATION

Process Code or Description Natural Gas Emergency Generator ME-57, 200 kW
 Stack Description Vertical Stack
 Building Description _____
 Manufacturer _____ Model _____ Date Installed _____
 Date Last Modified _____

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

Million BTU/hr 0.682 1000 lbs Steam/hr _____ Kilowatts _____ Horsepower _____
 Burner Type _____ % Used for Process _____
 (see note below) % Used for Space Heat _____

FUEL DATA

Parameter	Primary Fuel	Units	Secondary Fuel	Units
Fuel Code (see note below)	01			
Percent Sulfur				
Percent Ash				
Percent Nitrogen				
Percent Carbon				
Percent Hydrogen				
Percent Moisture				
Heat Content (BTU/unit)				
Maximum Hourly Combustion Rate (units/hr)				
Normal Annual Combustion Rate (units/hr)				

Note:

Burner Type: 01 - Spread stoker
 02 - Chain or Traveling Grate
 03 - Hand Fired
 04 - Cyclone Furnace
 05 - Wet Bottom (pulverized coal)
 06 - Dry Bottom (pulverized coal)
 07 - Underfeed Stokers
 08 - Tangentially Fired
 09 - Horizontally Fired
 10 - Axially Fired
 11 - Other (specify): _____

Fuel Codes: 01 - Natural Gas
 02 - #1 or #2 Fuel Oil
 03 - #4 Fuel Oil
 04 - #5 or #6 Fuel Oil
 05 - Used Oil
 06 - Wood Chips
 07 - Wood Bark
 08 - Wood Shavings
 09 - Sander Dust
 10 - Subbituminous Coal
 11 - Bituminous Coal
 12 - Anthracite Coal
 13 - Lignite Coal
 14 - Propane
 15 - Other (specify): _____

SECTION 2, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	500 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type		
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	
Stack Exit Height from Ground Level (ft)	
Stack Exit Diameter (ft)	
Stack Exit Gas Flowrate (acfm)	
Stack Exit Temperature (°F)	

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (lb/MMBtu)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.01		.01 lb/hr			AP-42 Table
PM ₁₀		0.01		.01 lb/hr			AP-42 Table
SO ₂		5.88E-04		4.01E-4 lb/hr			AP-42 Table
CO		0.557		.38 lb/hr			AP-42 Table
NO _x		4.08		2.78 lb/hr			AP-42 Table
VOC		0.118		.08 lb/hr			AP-42 Table
Lead							
TAPS		See Table C-3		See Table C-3			

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY	
DEQ Plant ID Code	DEQ Stack ID Code
DEQ Building Code	Primary SCC
DEQ Segment Code	Secondary SCC
DEQ Process Code	

SECTION 3, PART A.

GENERAL INFORMATION

Process Code or Description KV-1 Dry Kiln Vents (80 vents total for all 4 kilns) (Total for all 4 kilns)
 Stack Description Vertical
 Building Description _____
 Manufacturer _____ Model _____ Date Installed _____
 Date Last Modified _____

PROCESSING DATA (FOR PM10)

Process Stream	Material Description	Maximum Hourly Rate	Actual Hourly Rate	Units
Input		40.08 MBF/hr (351,009 MBF/yr)		
Product Output	Hemlock/Fir/Cedar			
Waste Output				
Recycle				

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP Description	HAP CAS Number	Fraction In Input Stream by Weight	Fraction In Product Stream by Weight	Fraction In Waste Stream by Weight	Fraction In Recycle Stream by Weight
See Table c-3					

SECTION 3, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type		
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	27
Stack Exit Diameter (ft)	1.5
Stack Exit Gas Flowrate (acfm)	1.14 ft/s
Stack Exit Temperature (°F)	180

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (lb/MBF)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.051		1.5			ODEQ – AQ EF02, 6/26/03)
PM ₁₀		0.051		1.5			ODEQ – AQ EF02, 6/26/03)
SO ₂							
CO							
NO _x							
VOC		0.61		24.5			ODEQ – AQ EF02, 6/26/03)
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 5: STORAGE/HANDLING. LIQUID SOLVENTS AND OTHER VOLATILE COMPOUNDS

DEQ USE ONLY	
DEQ Plant ID Code _____	DEQ Stack ID Code _____
DEQ Building Code _____	Primary SCC _____
DEQ Segment Code _____	Secondary SCC _____
DEQ Process Code _____	

SECTION 5, PART A.

GENERAL INFORMATION

Process Code or Description GL-1 Glue

Stack Description _____

Building Description _____

Date Installed _____ Date Last Modified _____

GENERAL TANK AND MATERIAL HANDLING DATA

Material Description _____

Tank Capacity (gallons) _____ Annual Throughput (gallons) _____

Tank Type _____ Source _____
(choose from below) (choose from below)

Tank Type:

01 - Fixed Roof

02 - Floating Roof (or internal cover)

03 - Variable Vapor Space

04 - Pressure Tank

05 - Underground – splash loading

06 - Other (specify): _____

Source:

01 - Pipeline

02 - Rail Car

03 - Tank Truck

04 - Ship Barge

05 - Other (specify): _____

ADDITIONAL VAPOR PHASE DEGREASING DATA

Manufacturer of Degreasing Agent _____ Tank Surface Area (sq. ft.) _____

Temperature of Degreasing Agent in Tank (°F) _____ Method of Vapor Recovery _____
(choose from below)

Method:

01 – Incineration

02 – Refrigerated Liquid Scrubber

03 – Refrigerated Condenser

04 – Carbon Adsorption

05 – Vapor Return System

06 – No Recovery System

07 – Other (specify): _____

ADDITIONAL MATERIAL HANDLING DATA

Physical State _____

No. of Pump Seals _____ No. of In-line Valves _____ No. of Safety Relief Valves _____

No. of Open-ended Lines _____ No. of Sampling Connections _____ No. of Sampling Connections _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight

SECTION 5, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
231,382 adhesive used per year

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type		
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	
Stack Exit Height from Ground Level (ft)	
Stack Exit Diameter (ft)	
Stack Exit Gas Flowrate (acfm)	
Stack Exit Temperature (°F)	

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM							
PM ₁₀							
SO ₂							
CO							
NO _x							
VOC		0.029 lb/ lb adh		3.36 t/yr			
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7: SOLID MATERIAL TRANSPORT, HANDLING, AND STORAGE

DEQ USE ONLY			
DEQ Plant ID Code	_____	DEQ Stack ID Code	_____
DEQ Building Code	_____	Primary SCC	_____
DEQ Segment Code	_____	Secondary SCC	_____
DEQ Process Code	_____		

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description	BH-1, Baghouse Surfacing		
Stack Description	Vertical		
Building Description	_____		
Date Installed	_____	or	Date Last Modified _____
Material Description	_____		

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr)	_____
Normal Hourly Transfer Rate (units/hr)	_____
Normal Annual Transfer Rate (units/yr)	_____
Unit of Measure	_____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers	_____	Material Moisture Content (weight %)	_____	Maximum Hourly Wind Speed (mph)	_____
Conveyors Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Conveyors in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Average Hourly Wind Speed (mph)	_____
Transfers Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Transfers in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %)	_____	Primary Separator % Efficiency	_____
Primary Separator Type	_____	Secondary Separator % Efficiency	_____
Secondary Separator Type	_____		

MATERIAL STORAGE DATA

Pile? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity	_____	Pile Length (ft)	_____
Silo? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity Units	_____	Pile Width (ft)	_____
Other Storage Type Description	_____		Pile Height (ft)	_____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Baghouse	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	36,000 cfm
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	43
Stack Exit Diameter (ft)	4.3
Stack Exit Gas Flowrate (acfm)	41.3 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.003 gr/cfr		0.926			
PM ₁₀		.003 gr/cfr		0.926			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description BH-2, Baghouse Surfacing
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Baghouse	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	38,000 cfm
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	18
Stack Exit Diameter (ft)	4.3
Stack Exit Gas Flowrate (acfm)	43.6 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.003 gr/cfr		0.977			
PM ₁₀		.003 gr/cfr		0.977			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description BH-3, Baghouse Surfacing
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Baghouse	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	41,000 cfm
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	43
Stack Exit Diameter (ft)	4.3
Stack Exit Gas Flowrate (acfm)	47 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.003 gr/cfr		1.054			
PM ₁₀		.003 gr/cfr		1.054			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description BH-4, Baghouse, Lewiston Cedar Products
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No _____

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Baghouse	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ration (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	45,000 cfm
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	9
Stack Exit Diameter (ft)	4
Stack Exit Gas Flowrate (acfm)	59.7 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.003 gr/cfr		1.157			
PM ₁₀		.003 gr/cfr		1.157			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description BH-5, Baghouse, Lewiston Cedar Products
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No _____

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Baghouse	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ration (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	43,000 cfm
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	9
Stack Exit Diameter (ft)	4
Stack Exit Gas Flowrate (acfm)	57.1 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.003 gr/cfr		1.106			
PM ₁₀		.003 gr/cfr		1.106			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description BH-6, Baghouse, Lewiston Cedar Products
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No _____

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Baghouse	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	35,000 cfm
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	9
Stack Exit Diameter (ft)	4
Stack Exit Gas Flowrate (acfm)	46.4 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.003 gr/cfr		0.900			
PM ₁₀		.003 gr/cfr		0.900			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description BH-7, Baghouse, Lewiston Cedar Products
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Baghouse	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	33,000 cfm
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	9
Stack Exit Diameter (ft)	4
Stack Exit Gas Flowrate (acfm)	43.8 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.003 gr/cfr		0.849			
PM ₁₀		.003 gr/cfr		0.849			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-1 Specialties Gang Rip Cyclone (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers	_____	Material Moisture Content (weight %)	_____	Maximum Hourly Wind Speed (mph)	_____
Conveyors Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Conveyors in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Average Hourly Wind Speed (mph)	_____
Transfers Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Transfers in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %)	_____		
Primary Separator Type	_____	Primary Separator % Efficiency	_____
Secondary Separator Type	_____	Secondary Separator % Efficiency	_____

MATERIAL STORAGE DATA

Pile? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity	_____	Pile Length (ft)	_____
Silo? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity Units	_____	Pile Width (ft)	_____
Other Storage Type Description	_____		Pile Height (ft)	_____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Cyclone	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
PTE throughput (based on max MBF/yr)	354 tons pm/yr	
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	40
Stack Exit Diameter (ft)	4
Stack Exit Gas Flowrate (acfm)	17.5 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		.778 lb/ton					
PM ₁₀		.778 lb/ton			0.14 tpy		
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-2 Specialties Gang Rip Cyclone (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers	_____	Material Moisture Content (weight %)	_____	Maximum Hourly Wind Speed (mph)	_____
Conveyors Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Conveyors in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Average Hourly Wind Speed (mph)	_____
Transfers Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Transfers in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %)	_____		
Primary Separator Type	_____	Primary Separator % Efficiency	_____
Secondary Separator Type	_____	Secondary Separator % Efficiency	_____

MATERIAL STORAGE DATA

Pile? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity	_____	Pile Length (ft)	_____
Silo? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity Units	_____	Pile Width (ft)	_____
Other Storage Type Description	_____		Pile Height (ft)	_____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter
Type
Type Code (from APP.A)
Manufacturer
Model Number
Pressure Drop (in. of water)
PTE throughput (based on max MBF/yr)
Baghouse Air/Cloth Ration (FPM)

Primary
Cyclone
354 tons pm/yr

Secondary

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	40
Stack Exit Diameter (ft)	3
Stack Exit Gas Flowrate (acfm)	23.8 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		.164 lb/ton					
PM ₁₀		.164 lb/ton		0.03 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-3 Specialties GRECON Cyclone (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No _____

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Baghouse	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
PTE throughput (based on max MBF/yr)	773 tons pm/yr	
Baghouse Air/Cloth Ration (FPM)		

VENTILATION AND BUILDING/AREA DATA

STACK DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Ground Elevation (ft)	
Hood Type (from APP.B)		UTM X Coordinate (km)	
Minimum Flow (acfm)		UTM Y Coordinate (km)	
Percent Capture Efficiency		Stack Type (see note below)	02
Building Height (ft)		Stack Exit Height from Ground Level (ft)	40
Building/Area Length (ft)		Stack Exit Diameter (ft)	3
Building/Area Width (ft)		Stack Exit Gas Flowrate (acfm)	24.3 ft/s
		Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.164 lb/ton					
PM ₁₀		0.164 lb/ton			0.06 tpy		
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-4 Specialties NULOC Cyclone (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No _____

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Cyclone	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
PTE throughput (based on max MBF/yr)	1,324 tons pm/yr	
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	40
Stack Exit Diameter (ft)	3
Stack Exit Gas Flowrate (acfm)	17 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		.522 t/lb/ton					
PM ₁₀		.522 t/lb/ton		0.35 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-6 Specialties CY-1 to CY-4 (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers	_____	Material Moisture Content (weight %)	_____	Maximum Hourly Wind Speed (mph)	_____
Conveyors Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Conveyors in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Average Hourly Wind Speed (mph)	_____
Transfers Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Transfers in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %)	_____	Primary Separator % Efficiency	_____
Primary Separator Type	_____	Secondary Separator % Efficiency	_____
Secondary Separator Type	_____		

MATERIAL STORAGE DATA

Pile? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity	_____	Pile Length (ft)	_____
Silo? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity Units	_____	Pile Width (ft)	_____
Other Storage Type Description	_____		Pile Height (ft)	_____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter
Type
Type Code (from APP.A)
Manufacturer
Model Number
Pressure Drop (in. of water)
PTE throughput (based on max MBF/yr)
Baghouse Air/Cloth Ration (FPM)

Primary
Cyclone
2,582 tons pm/yr

Secondary

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	40
Stack Exit Diameter (ft)	2.5
Stack Exit Gas Flowrate (acfm)	30.6 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		.164 lb/ton					
PM ₁₀		.164 lb/ton		0.21 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-18 Surfacing, #4 Splitter (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter
Type
Type Code (from APP.A)
Manufacturer
Model Number
Pressure Drop (in. of water)
PTE throughput (based on max MBF/yr)
Baghouse Air/Cloth Ratio (FPM)

Primary
Cyclone
53 tons pm/yr

Secondary

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	40
Stack Exit Diameter (ft)	3
Stack Exit Gas Flowrate (acfm)	17 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		.60 lb/ton					
PM ₁₀		.60 lb/ton		0.02 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-25 Surfacing, Chipper, Chips (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No _____

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Cyclone	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
PTE throughput (based on max MBF/yr)	20,826 tons pm/yr	
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	25
Stack Exit Diameter (ft)	3
Stack Exit Gas Flowrate (acfm)	12.9 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.62 lb/ton					
PM ₁₀		0.62 lb/ton		0.64 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-26 Sawmill, All Machine Ctrs (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Cyclone	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
PTE throughput (based on max MBF/yr)	296 tons pm/yr	
Baghouse Air/Cloth Ration (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	15
Stack Exit Diameter (ft)	2.5
Stack Exit Gas Flowrate (acfm)	173.2 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.165 lb/ton					
PM ₁₀		0.165 lb/ton		0.02 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-27 A Sawmill, All Machine Ctrs (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No _____

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Cyclone	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
PTE throughput (based on max MBF/yr)	188 tons pm/yr	
Baghouse Air/Cloth Ration (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	15
Stack Exit Diameter (ft)	3
Stack Exit Gas Flowrate (acfm)	76.6 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.78 lb/ton					
PM ₁₀		0.78 lb/ton		0.07 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-27 B Sawmill, All Machine Ctrs (PM10)
Stack Description Vertical
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers _____ Material Moisture Content (weight %) _____ Maximum Hourly Wind Speed (mph) _____
Conveyors Enclosed? ☐ Yes ☐ No Conveyors in Buildings? ☐ Yes ☐ No Average Hourly Wind Speed (mph) _____
Transfers Enclosed? ☐ Yes ☐ No Transfers in Buildings? ☐ Yes ☐ No

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %) _____
Primary Separator Type _____ Primary Separator % Efficiency _____
Secondary Separator Type _____ Secondary Separator % Efficiency _____

MATERIAL STORAGE DATA

Pile? ☐ Yes ☐ No Storage Capacity _____ Pile Length (ft) _____
Silo? ☐ Yes ☐ No Storage Capacity Units _____ Pile Width (ft) _____
Other Storage Type Description _____ Pile Height (ft) _____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Cyclone	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
PTE throughput (based on max MBF/yr)	188 tons pm/yr	
Baghouse Air/Cloth Ratio (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	02
Stack Exit Height from Ground Level (ft)	15
Stack Exit Diameter (ft)	3
Stack Exit Gas Flowrate (acfm)	76.6 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.78 lb/ton					
PM ₁₀		0.78 lb/ton		0.07 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 7, PART A.

GENERAL INFORMATION

Process Code or Description CY-FH Fuel Hog (PM10)
Stack Description Horizontal
Building Description _____
Date Installed _____ or Date Last Modified _____
Material Description _____

MATERIAL TRANSFER RATES

Maximum Hourly Transfer Rate (units/hr) _____
Normal Hourly Transfer Rate (units/hr) _____
Normal Annual Transfer Rate (units/yr) _____
Unit of Measure _____

BELT CONVEYOR/VEHICLE TRANSFER

Number of Transfers	_____	Material Moisture Content (weight %)	_____	Maximum Hourly Wind Speed (mph)	_____
Conveyors Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Conveyors in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Average Hourly Wind Speed (mph)	_____
Transfers Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Transfers in Buildings?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

PNEUMATIC CONVEYOR TRANSFERS

Material Moisture Content (weight %)	_____	Primary Separator % Efficiency	_____
Primary Separator Type	_____	Secondary Separator % Efficiency	_____
Secondary Separator Type	_____		

MATERIAL STORAGE DATA

Pile? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity	_____	Pile Length (ft)	_____
Silo? <input type="checkbox"/> Yes <input type="checkbox"/> No	Storage Capacity Units	_____	Pile Width (ft)	_____
Other Storage Type Description	_____		Pile Height (ft)	_____

MATERIAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Material by Weight
See Table C-3		

SECTION 7, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter
Dec – Feb
Mar – May
Jun – Aug
Sep – Nov

Operating Schedule
Hours/Day
Days/Week
Weeks/Year
8760 hr/yr

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	Cyclone	
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
PTE throughput (based on max MBF/yr)	5,096 tons pm/yr	
Baghouse Air/Cloth Ration (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	
Building/Area Length (ft)	
Building/Area Width (ft)	

STACK DATA

Ground Elevation (ft)	
UTM X Coordinate (km)	
UTM Y Coordinate (km)	
Stack Type (see note below)	04
Stack Exit Height from Ground Level (ft)	15
Stack Exit Diameter (ft)	3
Stack Exit Gas Flowrate (acfm)	76.6 ft/s
Stack Exit Temperature (°F)	ambient

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					lbs/hr	tons/yr	Reference
PM		0.686 lb/ton					
PM ₁₀		0.686 lb/ton		1.75 tpy			
SO ₂							
CO							
NO _x							
VOC							
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 – Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 8: FUGITIVE ROAD DUST SOURCES

DEQ USE ONLY	
DEQ Plant ID Code _____	DEQ Stack ID Code _____
DEQ Building Code _____	Primary SCC _____
DEQ Segment Code _____	Secondary SCC _____
DEQ Process Code _____	

SECTION 8, PART A.

GENERAL INFORMATION

Road Description	Vehicles Paved Roads _____				
Length (ft)	.7 mi _____	Beginning Coordinates		End Coordinates	
Width (ft)	_____	UTM-X (km)	UTM-Y (km)	UTM-X (km)	UTM-Y (km)
Paved?	<input type="checkbox"/> X Yes <input type="checkbox"/> No				

DATA FOR ALL ROADS – PAVED AND UNPAVED

Vehicle Description	Number of Roundtrips Per Day	Vehicle Miles Traveled Per Day	Number of Days Used Per Year	Average Vehicle Speed (mph)	Surface Silt Content (% Weight)
Flatbed Lumber Trucks	13	9.1	251		9.7

Vehicle Description	Vehicle Empty Weight (tons)	Vehicle Full Weight (tons)
Flatbed Lumber Trucks		40

DATA FOR UNPAVED ROADS

Number of Wheels Per Vehicle	Number of Days >0.01 Inches Precipitation

DATA FOR PAVED ROADS

Number of Lanes	Industrial Augmentation Factor	Dust Loading (lb/mile)
		0.016

PM10

ROAD DUST CHEMICAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Road Dust by Weight

SECTION 8, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	

FUGITIVE DUST CONTROL DATA

Parameter	Primary	Secondary
Control Description		
Control Code (Appendix A)		
Minimum Daily Applications of Control		
Maximum Daily Applications of Control		
Average Annual Applications of Control		
Amount Applied (units/application)		
Units for Application Amount		

AIR POLLUTANT EMISSIONS

Pollutant	CAS Number	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					Lbs/Hr	Tons /Yr	Reference
PM							
PM-10		2.17 lb mi		4,966 lb/yr			
Lead							

Note: In lbs./unit of vehicle miles traveled (VMT).

SECTION 8, PART A.

GENERAL INFORMATION

Road Description Vehicles UnPaved Roads (See Attached Tables for Details)

Length (ft) Beginning Coordinates End Coordinates

Width (ft) UTM-X (km) UTM-Y (km) UTM-X (km) UTM-Y (km)

Paved? ☐ Yes ☒ No

DATA FOR ALL ROADS - PAVED AND UNPAVED

Vehicle Description	Number of Roundtrips Per Day	Vehicle Miles Traveled Per Day	Number of Days Used Per Year	Average Vehicle Speed (mph)	Surface Silt Content (% Weight)
Flatbed Lumber Trucks	13	9.1	251		9.7

Vehicle Description	Vehicle Empty Weight (tons)	Vehicle Full Weight (tons)
Flatbed Lumber Trucks		40

DATA FOR UNPAVED ROADS

Number of Wheels Per Vehicle	Number of Days >0.01 Inches Precipitation

PM10

DATA FOR PAVED ROADS

Number of Lanes	Industrial Augmentation Factor	Dust Loading (lb/mile)
		0.016

ROAD DUST CHEMICAL DATA

HAP Description	HAP CAS Number	HAP Fraction in Road Dust by Weight

Attached Table 1

Vehicle Specifications*

Equipment	Number of Vehicle Trips Per Day	Miles on Paved Roads per Trip	Miles on UnPaved Roads per Trip	Paved Vehicle Miles Traveled Per Day	Unpaved Vehicle Miles Traveled Per Day	Vehicle Weight (Tons)
Log Trucks, Dirt Roads	36	0	1.4	0.0	50.4	40.0
Log Trucks, Gravel Road	36	0	0.6	0.0	21.6	40.0
Lumber Trucks (flatbed)	13	0.7	0.0	9.1	0.0	40.0
966 Cat		0		0.0	6.0	20.0
930 Cat		0		0.0	6.0	12.5
T-Bird Sorter		0		0.0	1.0	45.0
229 Cat Sorter		0		0.0	1.0	33.5
LeTourneau Loader		0		0.0	48.0	72.5
988 B Cat		0		0.0	48.0	60.3
980 C Cat		0		0.0	32.0	45.2
Barko Loader		0		0.0	1.0	34.0
K.W. Water Tanker		0		0.0	48.0	40.0
International Dump Truck		0		0.0	60.0	14.5

* Use of the above indicated vehicle parameters were used in conjunction with emission factor generation methods discussed in AP-42 sections 13.2.1 and 13.2.2, 251days of use per year and 203 days exceeding 0.01 inches of rain to determine emission estimates. Each emission estimate is provided in detail below.

SECTION 8, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	Operating Schedule
Dec – Feb	Hours/Day
Mar – May	Days/Week
Jun – Aug	Weeks/Year
Sep – Nov	

FUGITIVE DUST CONTROL DATA

Parameter	Primary	Secondary
Control Description		
Control Code (Appendix A)		
Minimum Daily Applications of Control		
Maximum Daily Applications of Control		
Average Annual Applications of Control		
Amount Applied (units/application)		
Units for Application Amount		

AIR POLLUTANT EMISSIONS

Pollutant	CAS Number	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions		
					Lbs/Hr	Tons /Yr	Reference
PM	See Attached Tables						
PM-10							
Lead							

Note: In lbs./unit of vehicle miles traveled (VMT).

Attached Table 2

UNPAVED AREAS

The following information was found in AP-42 Chapter 13.2.2

The following expression may be used to calculate the particulate emissions (lb) from an **unpaved** road, per vehicle mile traveled

E =	size-specific emission factor (lb/VMT)					
s =	surface material silt content (%)					
W =	mean vehicle weight (ton)					
M =	surface material moisture content (%)					
a, b, c, k =	empirical constants					
	<u>For Loaders, Stackers, Letournous, Dump Trucks, Log Trucks, By-Product Trucks</u>			<u>For Lumber Trucks:</u>		
	PM ₁₀	TSP		PM ₁₀	TSP	
s =	8	8		12.5	12.5	
M =	6.7	6.7		6.7	6.7	
a =	0.8	0.8		0.8	0.8	
b =	0.4	0.5		0.4	0.5	
c =	0.3	0.4		0.3	0.4	
k =	2.6	10	(lb/VM T)	2.6	10	(lb/VMT)

Attached Table 3 Vehicle Emissions on Unpaved Roads

Equipment	W (tons)	E (lb/mile)		Total Vehicles Miles for this type	# of Days of Operation	Total Vehicles Miles for this type	Emissions (lbs/yr)		Emissions (tons/yr)	
		PM ₁₀	TSP				PM ₁₀	TSP	PM ₁₀	TSP
Log Trucks, Dirt Roads	40	7.27	6.48	50.4	251	12,650.4	40,840	36,384	20.42	18.19
Log Trucks, Gravel Road	40	4.76	6.48	21.6	251	5,421.6	11,458	15,593	5.73	7.80
Lumber Trucks (flatbed)	40	0.00	2.64	0.0	251	0.0	0	0	0.00	0.00
966 Cat	20	1.40	4.58	6.0	190	1,140.0	708	2,318	0.35	1.16
930 Cat	13	1.16	3.62	6.0	120	720.0	371	1,158	0.19	0.58
T-Bird Sorter	45	1.94	6.87	1.0	260	260.0	223	793	0.11	0.40
229 Cat Sorter	34	1.72	5.93	1.0	260	260.0	199	684	0.10	0.34
LeTourneau Loader	73	2.34	8.72	48.0	270	12,960.0	13,480	50,182	6.74	25.09
988 B Cat	60	2.18	7.95	48.0	270	12,960.0	12,518	45,746	6.26	22.87
980 C Cat	45	1.94	6.89	32.0	190	6,080.0	5,235	18,588	2.62	9.29
Barko Loader	34	1.73	5.97	1.0	260	260.0	200	689	0.10	0.34
K.W. Water Tanker	40	1.85	6.48	48.0	175	8,400.0	6,888	24,159	3.44	12.08
International Dump Truck	15	1.23	3.90	60.0	260	15,600.0	8,524	27,013	4.26	13.51
TOTAL PRE-CONTROL EMISSIONS FROM UNPAVED AREAS							100,645	223,308	50.3	111.7
TOTAL AFTER AP-42 75% REDUCTION FOR WATERING							25,161	81,276	15.1	40.6

|
(|
|
|
|
|
|
|
(|
|
|
|
|
|
|
(|
|
|